



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/884,971	06/21/2001	Han-ping Chen		3277

7590
Han-ping Chen
P.O. Box 2871
Saratoga, CA 95070

12/19/2002

EXAMINER

TANG, MINH NHUT

ART UNIT	PAPER NUMBER
----------	--------------

2829

DATE MAILED: 12/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/884,971

Applicant(s)

CHEN, HAN-PING

Examiner

Minh N. Tang

Art Unit

2829

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 June 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Drawings

1. The drawings are objected to because reference numbers 802 through 807, 809 through 813 in Fig. 8; reference numbers 902 through 905, 907, 908, 910, 912 in Fig. 9; reference numbers 1001 through 1005, 1007, 1008, 1010 in Fig. 10; reference numbers 1101 through 1103, 1107, 1108, 1110, 1111, 1114 in Fig. 11; reference numbers 1201 through 1205 in Fig. 12 are all associated with an empty "black box" which should have a corresponding label.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

2. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Objections

3. Claims 1, 7-8, 11, 17, 23-25, and 32-35 are objected to because of the following informalities:

a/ in claims 1 and 17, "the memory device type or configuration" (lines 11-12, lines 8-9 in claim 17), "the test results" (line 12, line 9 in claim 17), "said memory devices" (line 20) should be -- a memory device type or configuration --, -- test results --, -- memory devices --, respectively.

Art Unit: 2829

b/ in claims 7, 23 and 32, "the selected output tray or output entry cell" should be -- a selected output tray or output entry cell --.

c/ in claims 8, 24 and 33, "a output tray or a output entry cell", "the selected position" should be -- an output tray or an output entry cell --, -- a selected position --, respectively.

d/ in claim 11, "the wire bonding" should be -- wire bonding --.

e/ in claims 25 and 34, "the memory devices" (lines 3-4) should be -- memory devices --.

f/ in claim 35, "device carrier unit" (line 2) should be -- device carrier units --.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-37 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 1, 17, and as well as claims 2-11, 18-25, 31-34, the limitations "said test processing unit" (singular), "said test connection unit" (singular), "said memory device type or configuration information", "said test message unit" (singular), "said sorting control unit" (singular), "said sorting output unit" (singular), "said packaging unit" (singular), said "packaging control unit" (singular) have not been recited previously;

Art Unit: 2829

therefore these terms are indefinite. Furthermore, the term "may be" renders the claims indefinite.

In claim 12 and 26, "said device carrier unit" (singular) has not been recited previously; therefore this term is indefinite.

In claims 13, 27 and 36, the limitations "said output tray", "the sorting unit" have not been recited previously; therefore these terms are indefinite. Furthermore, it is not clear "the sorting unit" refers to a sorting output unit or a sorting control unit.

In claims 14, 28 and 37, the limitation "said output tray" has not been recited previously; therefore this term is indefinite.

In claims 15 and 16, the limitation "said tested memory devices" has not been recited previously; therefore this term is indefinite.

In claim 29, the limitations "said sorting output unit" (singular), "said sorting control unit" (singular), "said input interface" (line 8), "said memory device", and "the memory device information" have not been recited previously; therefore these terms are indefinite.

In claim 35, the limitation "said sorting output unit" (singular), "said device carrier unit" (singular) have not been recited previously; therefore these terms are indefinite.

Claim 30 is rejected since it depends on rejected base claim.

Allowable Subject Matter

6. Claims 1-37 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

Art Unit: 2829

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Maeng	6,313,652	Test And Burn-In Apparatus, In-Line System Using The Test And Burn-In Apparatus, And Test Method Using The In-Line System.
Kobayashi et al.	6,104,183	Semiconductor Device Testing Apparatus.
Brunelle	5,996,996	Method Of Sorting Computer Chips.
Klug et al.	5,313,156	Apparatus For Automatic Handling.
Shibata	5,150,797	IC Sorting And Receiving Apparatus And Method.


8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh N. Tang whose telephone number is (703) 305-1652. The examiner can normally be reached on M-F (6:30-4:00) first Fri. Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mrs. Cuneo, Kamand can be reached on (703) 308-1233. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3431 for regular communications and (703) 305-3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3431.



12/13/02



KAMAND CUNEO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800